VI.3.6C-INFILE-GRIDPM FILE FORMAT FOR PARAMETER GROUP: GRID PARAMETERS

The grid parameter group includes parameters used to define high flow adjust, runoff option adjust and bankfull factor. An option is available to exclude an area from grid computations.

Input Data

The following input is used to define high flow adjust, runoff adjust and overbank factor for gridded threshold runoff.

Record	Field	Variable	Format	Description
1	1	type	a4	'GDPM', grid parameter type code
	2	iffgid	a8	FFG area identifier
	3	iqoptg	i2	High flow adjust option: 0 = no adjust 1 = forecast flow at hours entered on record 2 2 = highest forecast flow over next hours entered on record 2 3 = highest forecast flow in time series
	4	iroptg	i2	Runoff/flash flood guidance adjust option: 0 = no adjust 1 = adjust runoff (record 3 required) 2 = use values as ffg (record 3 required) 3 = use runoff as ffg 5 = adjust ffg (record 3 required) 9 = exclude from grid computations
	5	bank	f6.2	Overbank factor. Default is 1.10.
	6	pcimpg	f6.2	Percent impervious area. Default is 0.0.
Record 2 required when field 3 on record 1 equals 1, 2 or 3.				
2	1	taqg1	f3.0	Time to adjust flow for 1-hour duration. Default 12 hours. 1/

Record	Field	Variable	Format	Description
	2	taqg2	f3.0	Time to adjust flow for 3-hour duration. Default is taqg1. 1/
	3	taqg3	f3.0	Time to adjust flow for 6-hour duration. Default is taqg1. 1/
	4	taqg4	f3.0	Time to adjust flow for 12-hour duration. Default is taqg1. 1/
	5	taqg5	f3.0	Time to adjust flow for 24-hour duration. Default is taqg1. 1/
	6	qtsidg	a8	Identifier of forecast flow time series.
	7	dtcqg	a4	Data type code of forecast flow time series.
	8	intqg	i2	Time interval of forecast flow time series.
Record 3 required when field 4 on record 1 equals 1, 2, or 5.				
3	1	rinten1	f6.2	Value for 1 hour, interpretation of value depends on iroptg in field 4 of record 1: 1 = factor applied to runoff 2 = use value as ffg 5 = factor applied to ffg
	2	rinten2	f6.2	Value for 3 hours
	3	rinten3	f6.2	Value for 6 hours
	4	rinten4	f6.2	Value for 12 hours
	5	rinten5	f6.2	Value for 24 hours
Repeat record 1 as needed.				

Note:

1/ Time not used when Field 3 on Record 1 is set to 3.

Sample Input

To define or redefine runoff option adjustments, the following input would be used:

```
   ----+----1----+----2----+----3----+----4----+----5----+----6
   GDPM FRAT1       0     0   110   0.0   (no adjustments)
   GDPM KINT1UPR    0     2   110   0.0
           0.50  0.75  0.95   0.0   0.0   (use values as ffg)
   GDPM KINT1LWR    0     1   110   0.0
           0.80  0.90  1.05   0.0   0.0   (factor applied to runoff)
   GDPM KINT1LWR    0     5   110   0.0
           0.30  0.50  0.80   1.0   1.0   (factor applied to ffg)
   GDPM PPDT1UPR    0     3   110   0.0   (use runoff as ffg)
   GDPM PPDT1LWR    0     1   110   0.0
           1.00  1.10  1.60   0.0   0.0   (factor applied to runoff)
   GDPM FDKSE       0     0   110  0.40   (percent impervious area)
```

With high flow adjustment:

```
   ----+----1----+----2----+----3----+----4----+----5----+----6
   GDPM FRAT1       2     0   110   0.0     (no adjustments)
             12    12    12     0     0 FRAT1    QINE   6
```

With both high flow and runoff option adjustments:

```
   ----+----1----+----2----+----3----+----4----+----5----+----6
   GDPM KINT1UPR    2     1   110   0.0
             12    12    12     0     0 KINT1    QINE   6
           0.80  0.90  1.05   0.0   0.0   (factor applied to runoff)
   GDPM KINT1UPR    0     2   110   0.0
           0.50  0.75  0.95   0.0   0.0   (use values as ffg, no high
                                              flow)
   GDPM KINT1LWR    2     3   110   0.0   (use runoff as ffg)
              6    12    18     0     0 KINT1    QINE   6
```

Exclude an ffg area:

```
   ----+----1----+----2----+----3----+----4----+----5----+----6
   GDPM SACM2ANT    0     9   110
```